

PLY GEM WINDOWS

PREMIUM MIRA INSWING FRENCH HINGED DOOR
(NON-IMPACT)

- NOTES:
1. THIS INSTALLATION HAS BEEN EVALUATED FOR USE IN LOCATIONS ADHERING TO THE FLORIDA BUILDING CODE OUTSIDE THE HVHZ, AND WHERE PRESSURE REQUIREMENTS AS DETERMINED BY ASCE 7 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES DO NOT EXCEED THE DESIGN PRESSURE RATINGS HEREIN.

2. WHEN USED IN AREAS REQUIRING IMPACT PROTECTION, THIS PRODUCT REQUIRES THE USE OF APPROVED IMPACT PROTECTIVE DEVICES (SHUTTERS).

3. ANCHOR TYPE, SIZE, SPACING, EMBEDMENT, AND EDGE DISTANCE SHALL BE AS SPECIFIED IN THESE DRAWINGS. USE APPROPRIATE ANCHORAGE FROM TABLE I ACCORDING TO SUBSTRATE TYPE. A MINIMUM CENTER-TO-CENTER SPACING OF 3" SHALL BE MAINTAINED BETWEEN ALL INSTALLATION FASTENERS IN ANY DIRECTION.

4. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO. FOR MASONRY OPENINGS WITH WOOD BUCKS LESS THAN 1-1/2" THICK, EMBEDMENT SHALL BE BEYOND WOOD BUCKS, IF USED, AND INTO MASONRY SUBSTRATE. WOOD BUCKS WITH MASONRY ARE OPTIONAL.

5. WOOD, METAL, OR MASONRY OPENINGS, BUCKS, AND BUCK FASTENERS, BY OTHERS, SHALL BE PROPERLY DESIGNED AND INSTALLED BY OTHERS TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. ADEQUACY OF THE STRUCTURE TO RECEIVED THESE LOADS SHALL BE VERIFIED BY THE CONTRACTOR OR AUTHORITY HAVING JURISDICTION (AHJ).

6. IT IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD OR AS APPROVED BY THE AHJ TO SELECT PLY GEM PRODUCTS TO MEET ALL APPLICABLE LOCAL LAWS, BUILDING CODES, ORDINANCES, OR OTHER SAFETY REQUIREMENTS FOR EACH INSTALLATION.

7. SHIMS ARE REQUIRED WHERE GAPS OF GREATER THAN 1/16" EXIST BETWEEN OPENING AND FRAME. MAX. SHIM STACK IS 1/4". SHIMS SHALL BE LOAD-BEARING AND CAPABLE OF TRANSFERRING LOADS TO THE SUBSTRATE.

8. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT SHALL BE THE RESPONSIBILITY OF OTHERS USING ASTM E 2112 AND IS NOT ADDRESSED BY THIS DOCUMENT.

9. INSTALLED GLAZING SHALL COMPLY WITH ASTM E 1300.

10. ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS. ANY DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT REACTIONS IN ACCORDANCE WITH CODE REQUIREMENTS.

11. A WIND LOAD DURATION FACTOR Cd = 1.6 WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.

12. PRODUCTS SHALL BE CONSTRUCTED AS SPECIFIED IN TEST REPORTS NATIONAL CERTIFIED TESTING LABORATORIES I10-13942-1.

13. DESIGNATION "X" IS FOR OPERABLE PANEL AND "O" IS FOR FIXED PANEL.

14. USE A BACKER ROD ON ALL JOINTS >3/4" DEEP AND/OR WIDER THAN 1/4". FINISHED CAULK JOINT SHOULD BE A MINIMUM OF 3/8" DEEP.

DESIGN PRESSURE RATING			
UNIT SIZE	PRODUCT RATING	MAX. DESIGN PRESSURE	MISSILE IMPACT RATING
74-1/2" X 98-3/4"	LC-PG45	+45/-50 PSF	NON-IMPACT

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Lucas Turner

2021.07.02

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TABLE I: INSTALLATION FASTENERS TABLE

ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED.	MIN. EDGE DISTANCE
FIN INSTALLATION				
A	2X MIN. SOUTHERN PINE WOOD (G=0.55)	#8 WOOD SCREW	1-1/2"	7/16"
B	16 GAUGE (0.060") STEEL 36 KSI MIN. YIELD, OR 1/8" ALUM. 6063-T5 MIN.	#10-16 SELF-DRILLING SCREW (TEKS/DRIL-FLEX/KWIK-FLEX)	FULL, PLUS 3 THREADS MIN.	7/16"
FRAME INSTALLATION				
C	2X MIN. SOUTHERN PINE WOOD (G=0.55)	#8 WOOD SCREW	1-3/8"	3/4"
D	16 GAUGE (0.060") STEEL 36 KSI MIN. YIELD, OR 1/8" ALUM. 6063-T5 MIN.	#10-16 SELF-DRILLING SCREW (TEKS/DRIL-FLEX/KWIK-FLEX)	FULL, PLUS 3 THREADS MIN.	7/16"

NOTE: ALL SCREWS SHALL HAVE MOD. TRUSS, PAN, OR HEX WASHER HEAD, 0.42" MIN. HEAD OR WASHER DIAMETER. ALL NAILS SHALL HAVE FULL ROUND HEAD (OR USE CAPS/WASHERS), 0.42" MIN. HEAD OR WASHER DIAMETER.

Ply Gem

RESIDENTIAL SOLUTIONS

A division of Cornerstone Building Brands

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PH: 540-484-6348
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TITLE: PREMIUM MIRA INSWING FRENCH HINGED DOOR
GENERAL AND INSTALLATION NOTES

DATE

BY

REVISION DESCRIPTION

NO.

DATE: 06.05.21

DWN BY: LMH

CHK BY:

SCALE: NTS

LUCAS A. TURNER

LICENSE

No. 58201

STATE OF FLORIDA

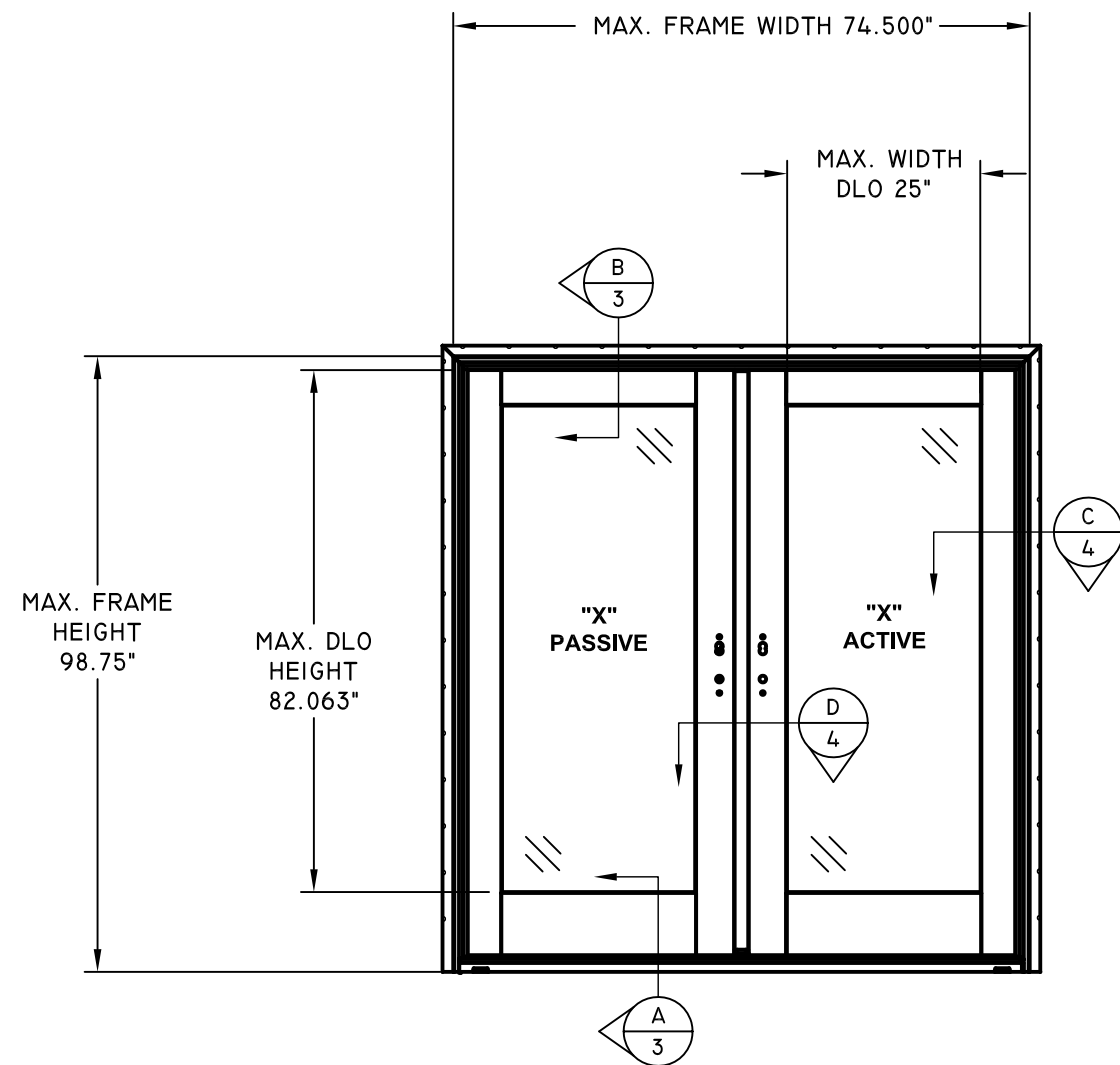
PROFESSIONAL ENGINEER

06/05/2021
LUCAS A. TURNER, P.E.
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TURNER ENGINEERING & CONSULTING, INC.
(COA # 29779)
2428 OLD NATCHEZ TRACE TRAIL, CAMDEN, TN 38320
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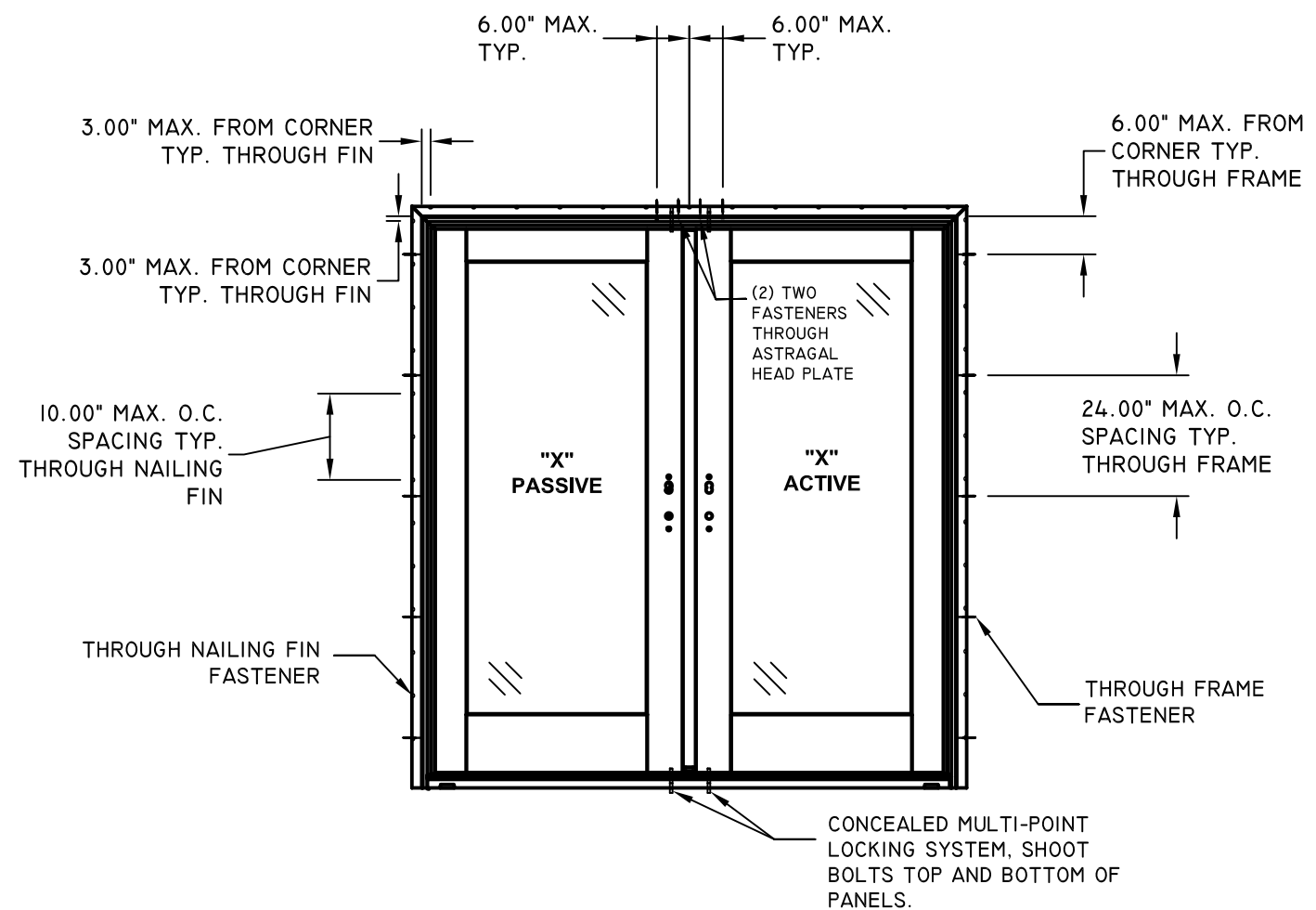
FL#: 15541

DWG #: PGW329

SHEET: 1 OF 4



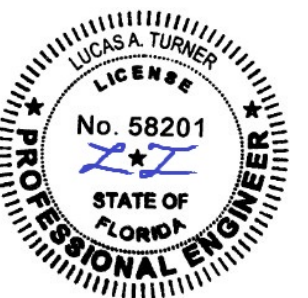
ELEVATION



**ANCHOR LAYOUT
FIN**

NOTE: UNIT MUST BE INSTALLED WITH ANCHORS THROUGH FRAME AND THROUGH NAILING FIN SIMULTANEOUSLY.

TITLE: PREMIUM MIRA INSWING FRENCH HINGED DOOR ELEVATION AND ANCHOR LAYOUTS	DATE	BY	REVISION DESCRIPTION		
DATE: 06.05.21	DWN BY: LMH	CHK BY:	SCALE: NTS		



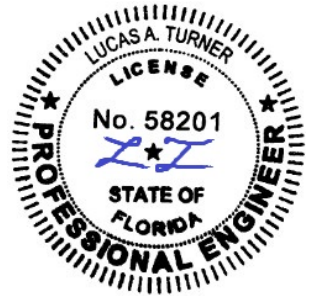
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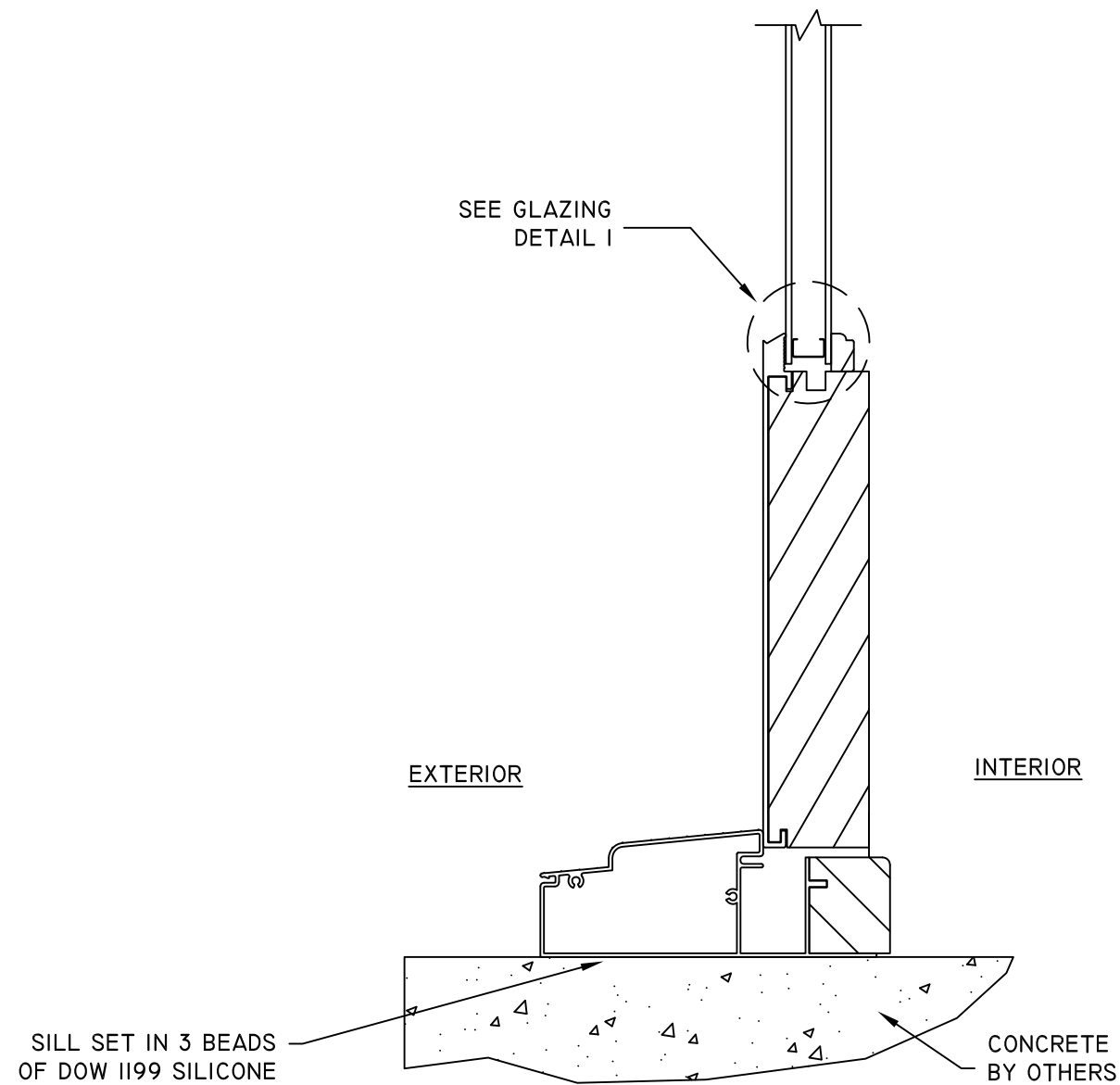
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TITLE: PREMIUM MIRA INSWING FRENCH HINGED DOOR VERTICAL SECTIONS	DATE	BY	REVISION DESCRIPTION		
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DATE: 06.05.21	DWN BY: LMH	CHK BY:	SCALE: NTS		

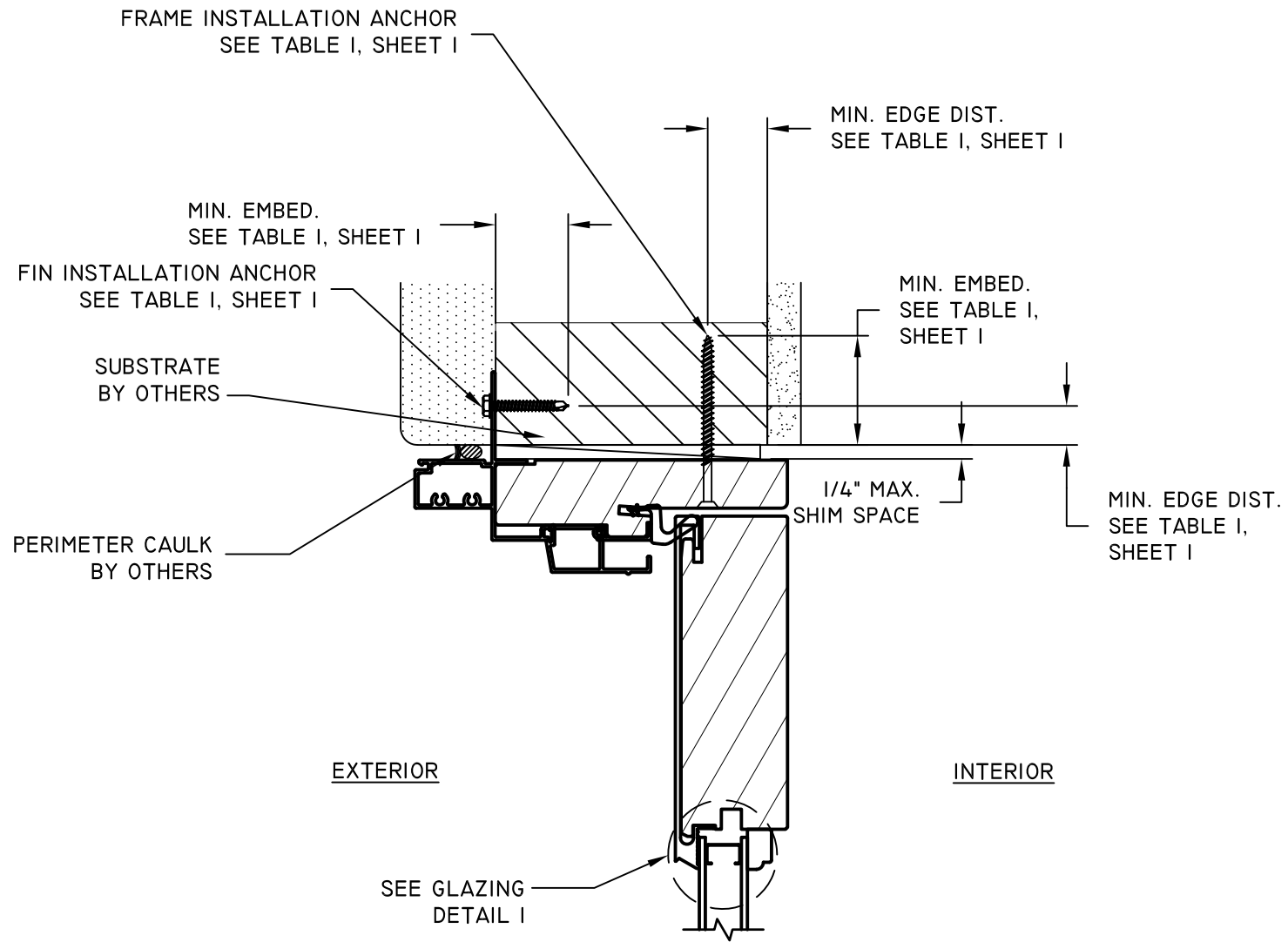


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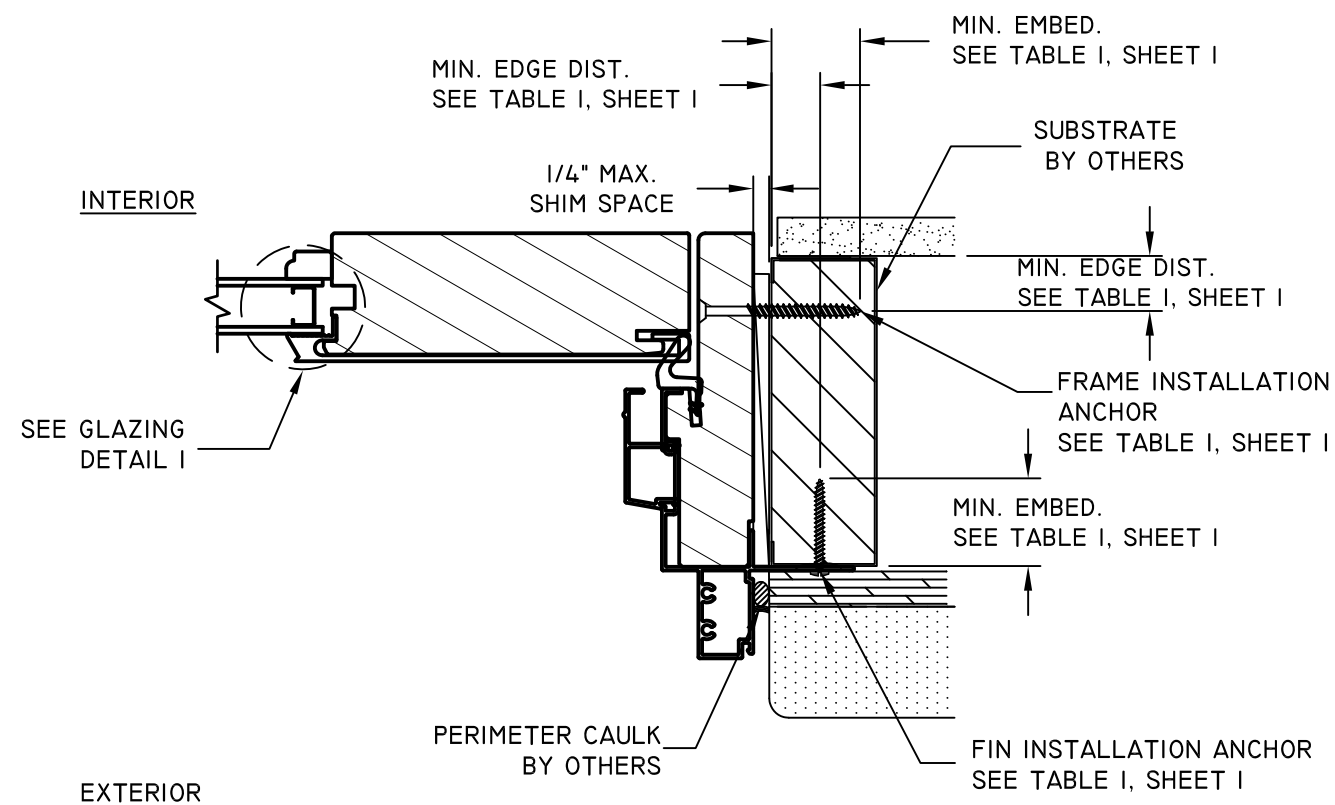
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DWG #:	PGW329
SHEET:	3 OF 4



A
3 **VERTICAL SECTION**
SILL - ACTIVE PANEL

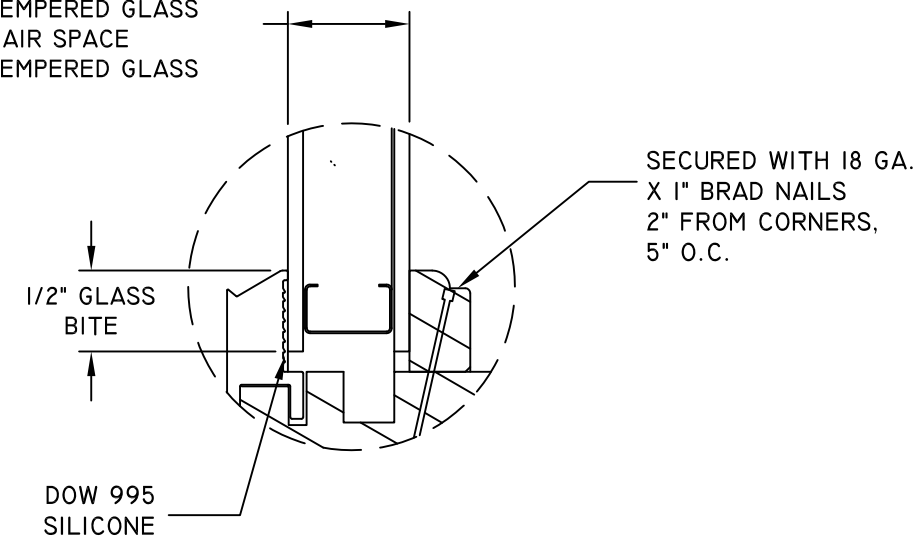


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3 **VERTICAL SECTION**
HEAD - INACTIVE PANEL



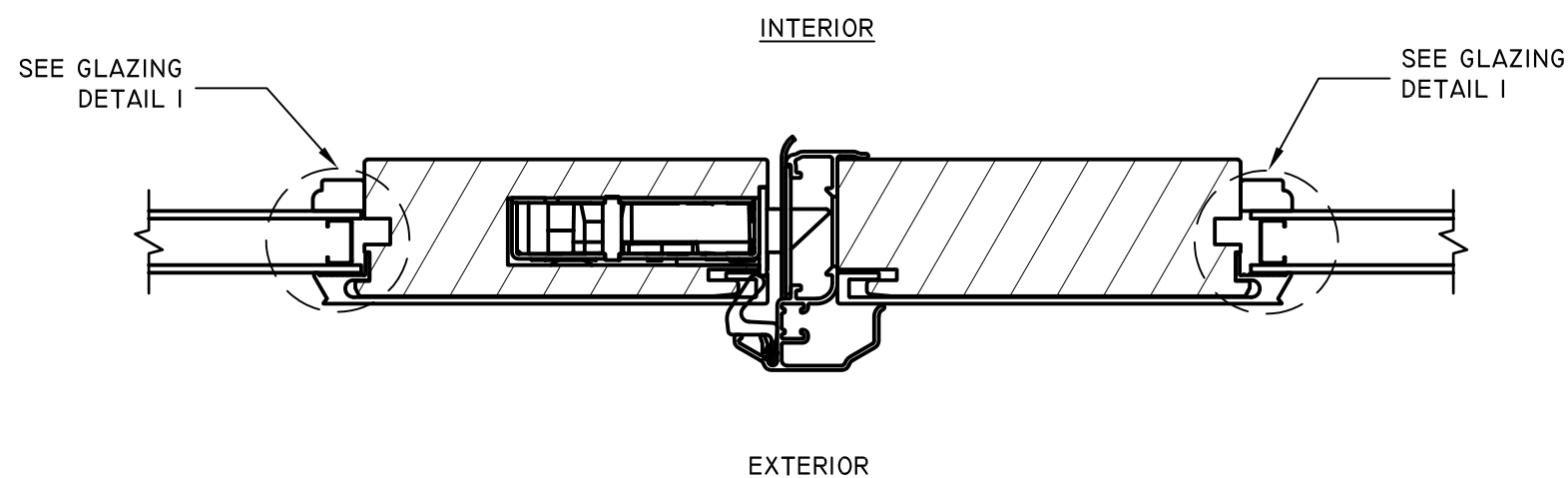
C
4 **HORIZONTAL SECTION**
JAMB - INACTIVE PANEL

3/4" O.A. INSULATED GLASS:
1/8" TEMPERED GLASS
AIR SPACE
1/8" TEMPERED GLASS



GLAZING DETAIL 1

NOTE:
ALL GLAZING CONFIGURATIONS SHALL
COMPLY WITH SAFETY GLAZING
REQUIREMENTS OUTLINED IN THE CURRENT
FBC .



D
4 **HORIZONTAL SECTION**
VERTICAL MULLION

TITLE: PREMIUM MIRA INSWING FRENCH HINGED DOOR HORIZONTAL SECTIONS & GLAZING DETAIL	DATE				
	BY				
	REVISION DESCRIPTION				
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SHEET: 4 OF 4